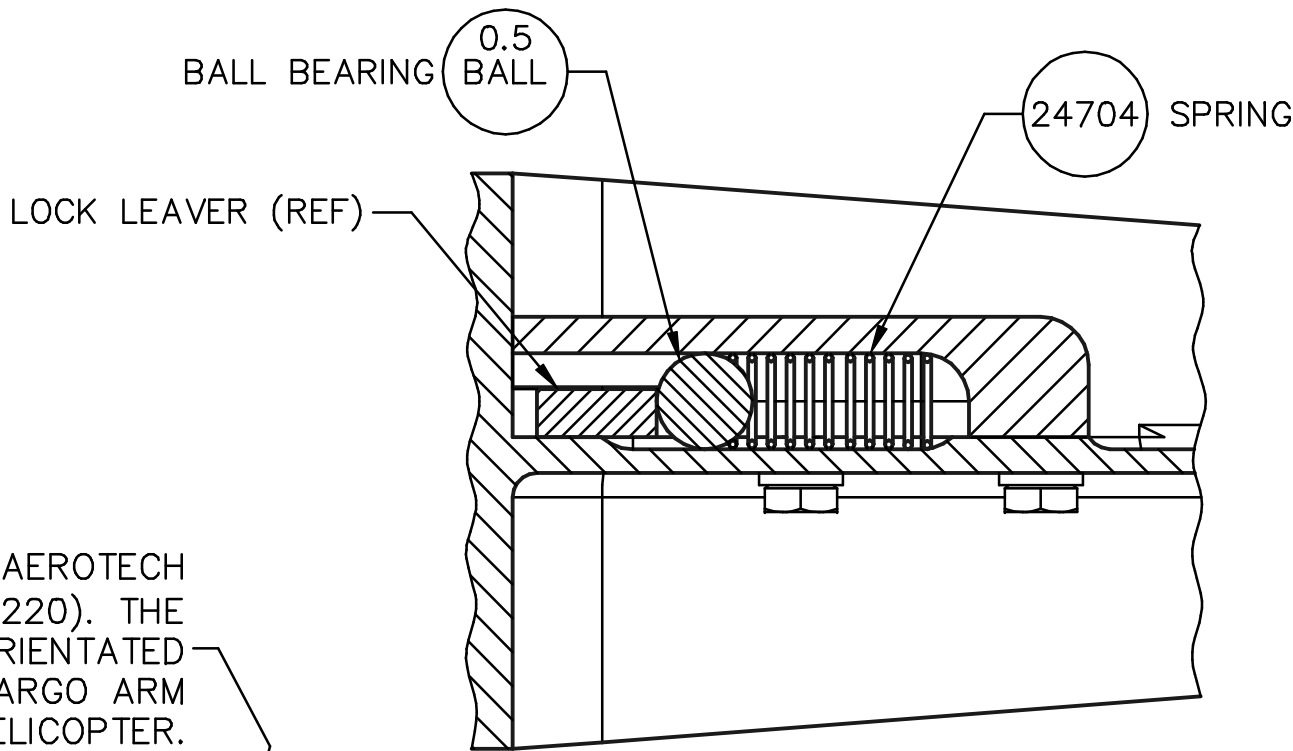
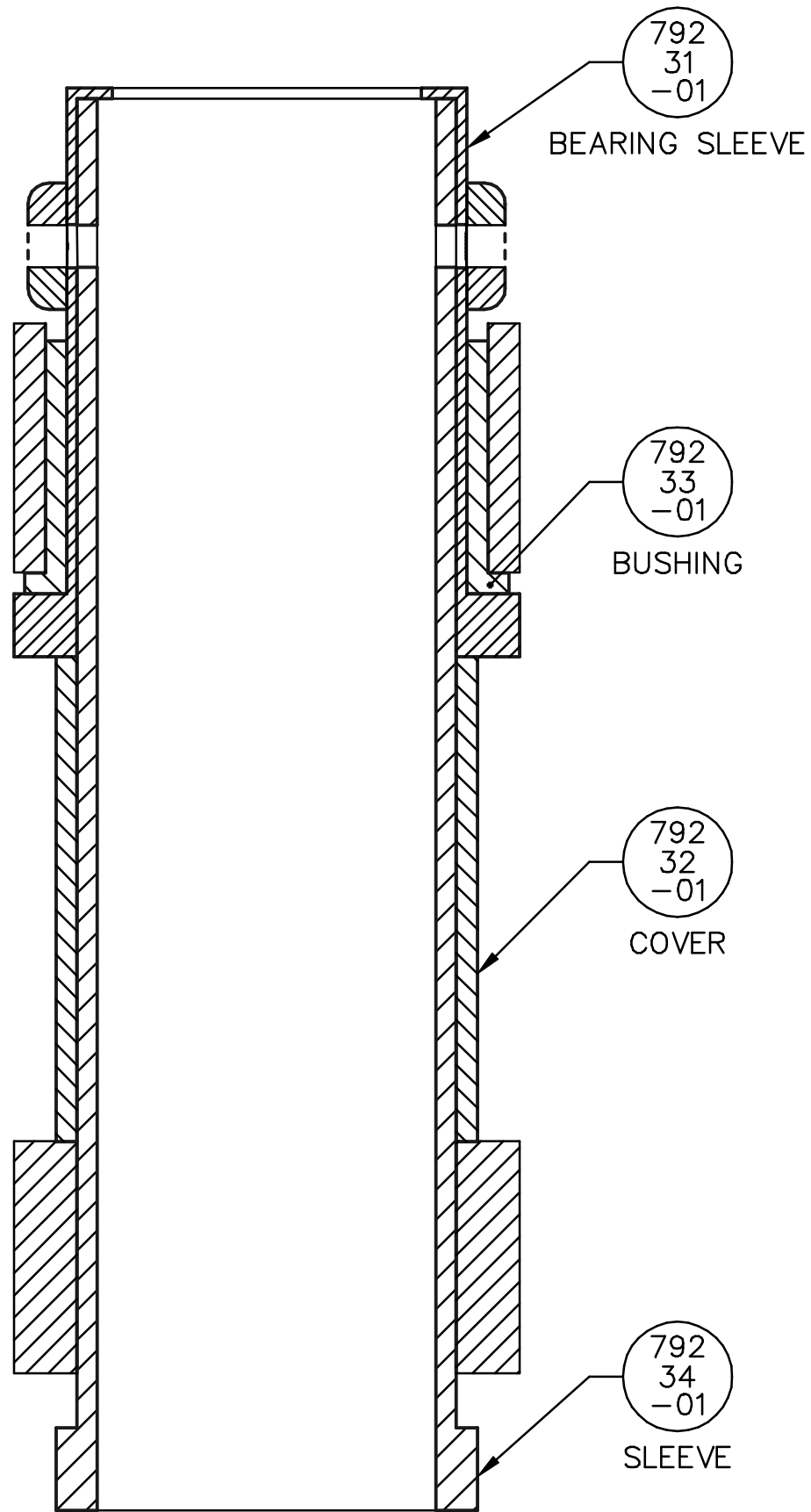


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REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE	RR	22/04/08
1	ADDED BRACKET 80120	RR	27/04/08
2	VARIOUS CHANGES	RR	30/12/08
3	GEOMETRY OF LATCH AND LATCH BUSHING CHANGED	RR	14/04/09

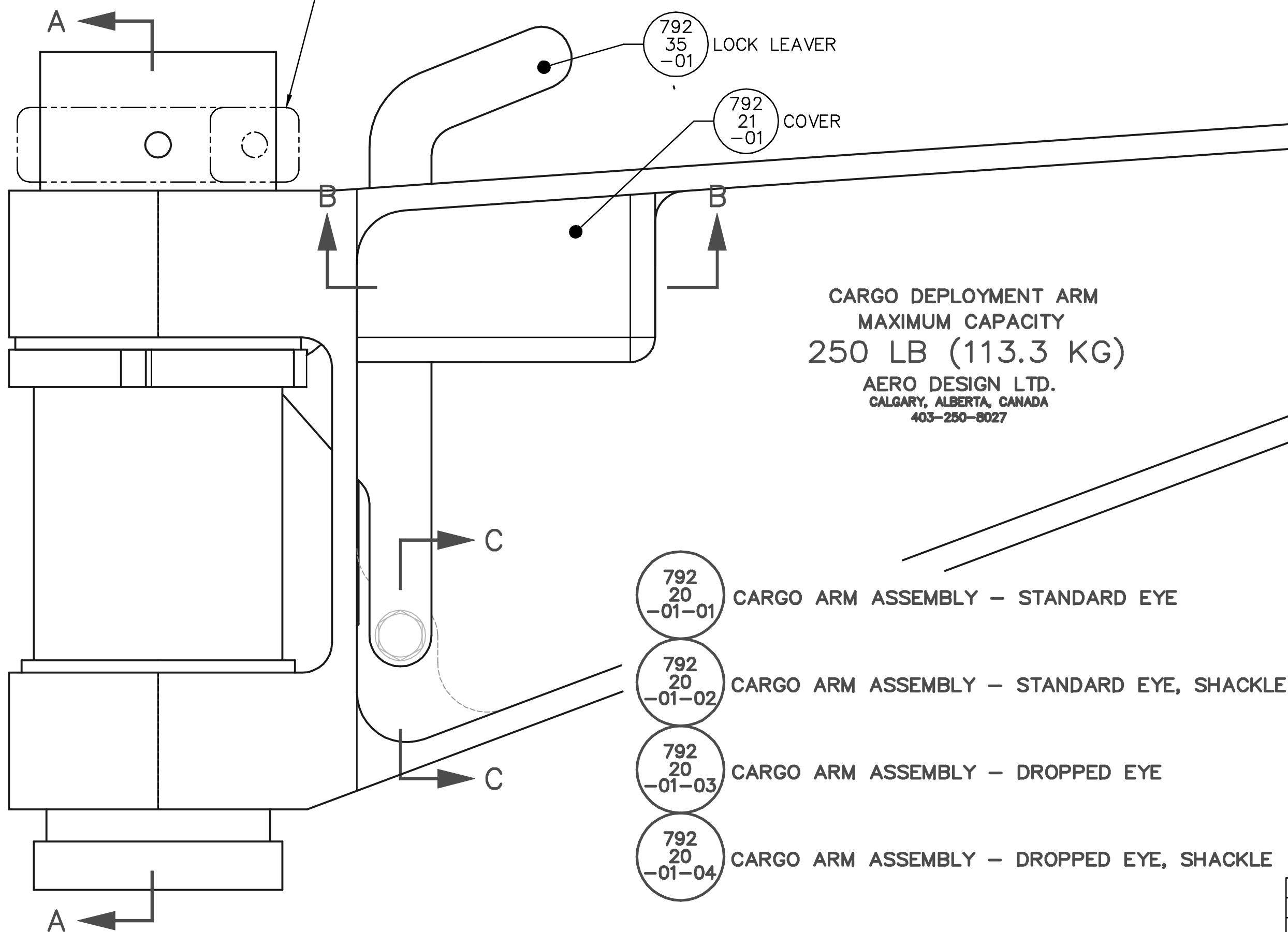


SECTION B-B
SCALE 1 : 1

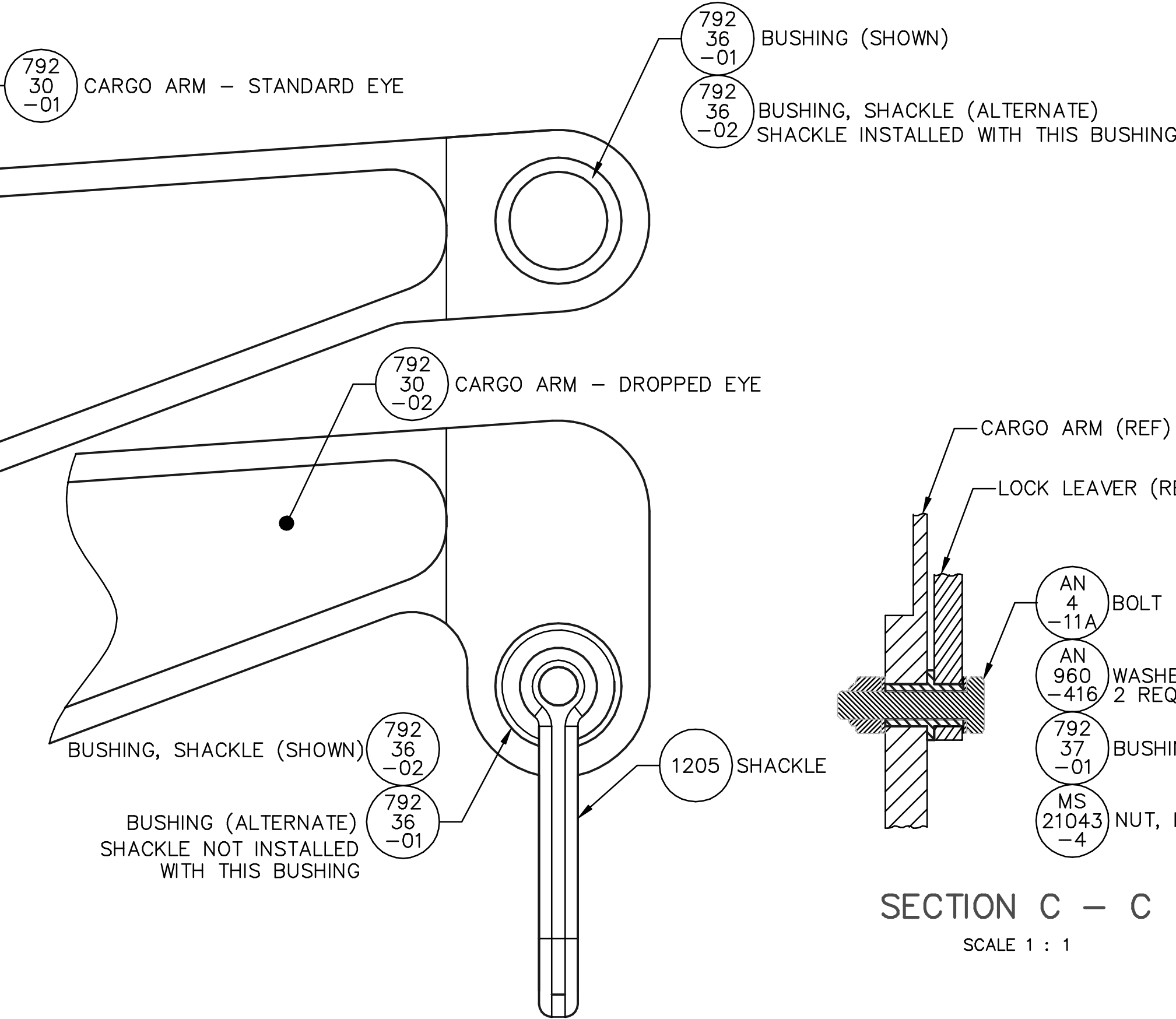
OPTIONAL: INSTALLATION OF ALPINE AEROTECH SHOULDER HARNESS KIT (SH99-220). THE THREADS OF THE BRACKET MUST BE ORIENTATED AFT AND INBOARD WHEN THE CARGO ARM ASSEMBLY IS INSTALLED INTO THE HELICOPTER.



SECTION A - A
SCALE 1 : 1

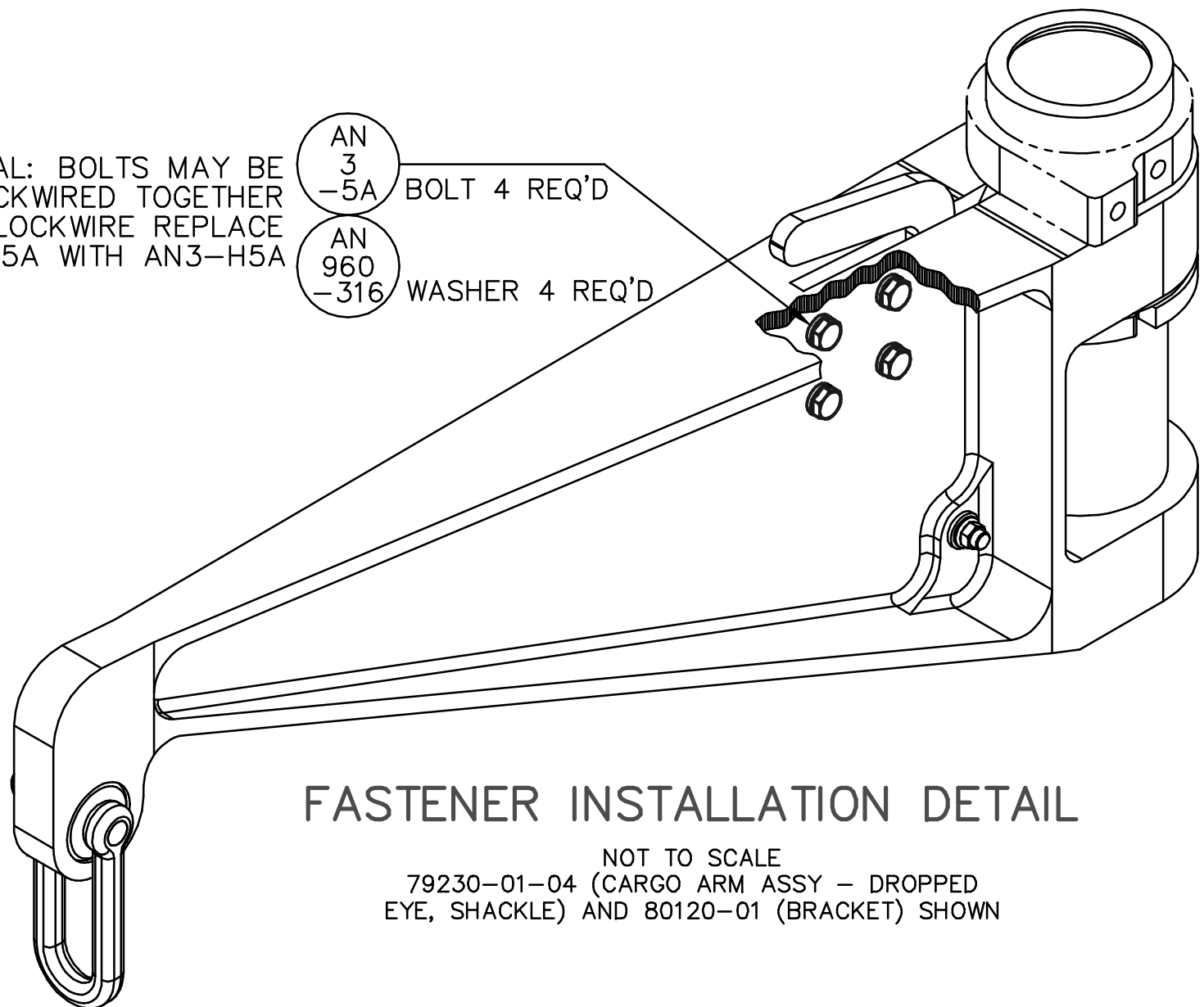


CARGO DEPLOYMENT ARM
MAXIMUM CAPACITY
250 LB (113.3 KG)
AERO DESIGN LTD.
CALGARY, ALBERTA, CANADA
403-250-8027



SECTION C - C
SCALE 1 : 1

OPTIONAL: BOLTS MAY BE LOCKWIRED TOGETHER TO LOCKWIRE REPLACE AN3-5A WITH AN3-H5A
AN 3 -5A BOLT 4 REQ'D
AN 960 -316 WASHER 4 REQ'D



FASTENER INSTALLATION DETAIL
NOT TO SCALE
79230-01-04 (CARGO ARM ASSY - DROPPED EYE, SHACKLE) AND 80120-01 (BRACKET) SHOWN

1		1		1205	SHACKLE	WICHARD	
1	1	1	1	80120-01	BRACKET (OPTIONAL)		
1	1	1	1	79221-01	COVER		
4	4	4	4	AN960-316	WASHER		
4	4	4	4	AN3-5A	BOLT		
2	2	2	2	AN960-416	WASHER		
1	1	1	1	MS21043-4	LOCK NUT		
1	1	1	1	AN4-11A	BOLT		
1	1	1	1		Ø 0.5 BALL BEARING	STEEL	
1	1	1	1	24704	Ø 0.5 X 0.041 X 1.5 SPRING	DYNALINE	
					<REMOVED>		
1	1	1	1	79237-01	BUSHING		
1		1		79236-02	BUSHING, SHACKLE		
	1		1	79236-01	BUSHING, STANDARD		
1	1	1	1	79235-01	LOCK LEAVER		
1	1	1	1	79234-01	SLEEVE		
1	1	1	1	79233-01	BUSHING		
1	1	1	1	79232-01	COVER		
1	1	1	1	79231-01	BEARING SLEEVE		
1	1			79230-02	CARGO DEPLOYMENT ARM - DROPPED EYE		
		1	1	79230-01	CARGO DEPLOYMENT ARM - STANDARD EYE		
				79220-01-04	CARGO ARM ASSEMBLY - DROPPED EYE, SHACKLE		
				79220-01-03	CARGO ARM ASSEMBLY - DROPPED EYE		
				79220-01-02	CARGO ARM ASSEMBLY - STANDARD EYE, SHACKLE		
				79220-01-01	CARGO ARM ASSEMBLY - STANDARD EYE		
-01-04	-01-03	-01-02	-01-01	PART NO.	DESCRIPTION	MATERIAL/VENDOR	

QTY

LIST OF MATERIALS

APPROVALS	DATE
DRAWN: R. RATHWELL	22/04/08
CHECKED: E. BURGOIN	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.
TOLERANCES ON:
DECIMALS ANGLES
X.XXX ±0.010 ±1/2°
X.XX ±0.03
X.X ±0.1

AERO DESIGN LTD.
CONSULTING ENGINEERS, TRANSPORT CANADA APPROVALS, DAR 290M
2013 - 39TH AVENUE N.E., CALGARY, ALBERTA, CANADA, T2E 6R7
tel: (403) 250-8027 fax: (403) 250-8333 www.aerodesign.ca

BELL 212, 412, 205A-1, 205B
CARGO DEPLOYMENT ARM
CARGO ARM ASSEMBLY

SCALE 1 : 1	DWG. NO.	REV.	
SHEET 1 OF 1	A1	79220	3